

Group: C A C A

FIG. 1

CVHAS	MGKNIIIM	VSWYTIITS-	NL	IAVGGASLIT	APAITGVLH	39
seHAS	MORT WALL TO-		V	VARSTEWVIT	TXVNV	25
spHAS	VPIFKKTLI-		v	LSFIFLISI	IELNM	25
huHAS	MHCERFICTI	RIIGTTL		FGVSLI	LGITAAMIVG	33
xlHAS	MK-EKAAETM	ETPEGIPKDL	EPKHPTLWRI	IYYSFGVVLI	ATITAAXVAE	49
XINAS						
CVHAS	WNIALSTI	WGVSAYGIFV	FGFFLAQVLF	SELNRKRLRK	WISLRPKGWN	87
seHAS	VI.FGAKG	-SLSINGFLL	IAYLLVKMSL	SFF-YKPFKG	RAGQY	65
spHAS	VLFGT-S	-TVGIŸĞVIL	ITYLVIKLGL	SFL-YEPFKG	NPHDY	64
huHAS	VORTOTONYY	FSFGLYGAFL	ASHLIIQSLF	AFLEHRKMKK	SLETPIKL	81
xlHAS	FQVLKHEAIL	FSLGLYGLAM	LLHLMMQSLF	AFLEIRRVNK	S-ELPCSF	96
XIIINO						
CVHAS	DVRLAVITAG	REDPYMFQK	CHESVRDSD	GNVA-RLIC	IDGDEDDDMR	136
seHAS	KVAATOPS	NEDAESLLE	TEKSVOOOTE	PLAEIYVV	DOGSADETGI	111
spHAS	v value DC	WATER A FET.T.F	TEKSVI.AOTM	PLSEIYI	DDGSSNTDAI	110
huHAS	NKTVALCHAA	POPPPYLRK	CHOSVKRLT	PGIKVVMV	IDGNSEDDLY	129
xlHAS	KKTVALTAG	YOUNPEYLIK	CLESCKYVK	PKDKLKIILY	IDGNTEDDAY	146
711110	-					
CVHAS	MAAVYKAIYN	DN	IKKPE	FV	LCESDDKEGE	165
seHAS	KR	IEDYVRD		TGDLSSNVIV	HRSEKNQGKR	140
spHAS	01	TEEYVNR		EVDICRNVIV	HRSLVNKGKR	139
huHAS	MMDIESEVMG	RDKSATYIWK	NNFHE-KGPG	ETDES	HKESS	168
xlHAS	MMEMFKDVFH	GEDVGTYVWK	GNYHTVKKPE	ETNKGSCPEV	SKPLNEDEGI	196
A111110						
CVHAS	RIDSDFS	RDICVLÖPHR	GKRECLYTGE	QLAKMDPSVN	AVVLIDSDIV	212
seHAS	***	- 65 NW -		FPSDADV-	FITV-DSDAY	163
spHAS	113		A	ERSDADV-	FLTV-DSD-TY	162
huHAS	OHVTOI.VI.SN	KSICIMÖKWG	GKREVMYTAE	RALGRSVD	YVQVCDSDIM	216
xlHAS	NMVEELVRNK	RCVCIMOOWG	GKREVMYTAE	QAIGTSVD	YVQVCDSDTK	244
CVHAS	LEKDAIL E VV	YPLACDPEIQ	AVAGECKIWN	T-DTLLSLLV	AWRYYSAECV	261
seHAS	IYPDALEELL	KTFNDPTVFA	ATG-HLNVRN	RQTNLLTRLT	DIRYDNAEGV	212
spHAS	IYPNALEELL	KSFNDETVYA	ATG-HLNARN		DIRYDNAFGV	211
huHAS	LDPASSVEMV	KVLEEDPMVG	GVGGDVQILN		SVRYWMAFNI	266
xlHAS	LDELATVEMV	KVLESNDMYG	AVGGDVRILN	PYDSFISFMS	SLRYWMAFNV	294
			Pl		OVCOV CONTROL	311
CVHAS	ERSAOSFFRT	VOCVGGPLGA	AKIDIIKEIK	DRYINGTELG	QKCTYGDDRR IPVSIGDDRC	262
seHAS	ERAAOSVIGN	ILVCSGPUSV	THREVVENT	ERYKNOTELG	TPVSTCDDAC	261
spHAS	ERAAOSLIGN	TLVCSGPUST	ADMOTTHERN	EDWYNGEEMG	NOCSEGODRH	316
huHAS	ERACOSYFIC	VCCTSCRICM	VPNNT LOVET	EAWYROKELG	TYCTLGDDRH	344
xlhas	242200					
U3 C	TIMETT MOOK	KUVETPEAVG	WSDSETNVFR	YIVOOTRWSK	SWCREIWYTL SFFRESIISV SFFREWLYNA SYFREWLYNA	361
cvHAS seHAS	TTNYATDIG-	KTVYOSTAKC	ITDVPDKMST	YLKOONRWNK	SFFRESIISV	311
	TINYATOLG-	RTVYOSTARC	DTDVPFQLKS	YLKOONRWNK	SFFRESIISV	310
spHAS huHAS	THIRVISLEY	ATKYTARSKC	LTETPIEYLR	WLNOOTRWSK	SYFREWLYNA	366
xlHAS	T.TNRVI.SMGY	RTKYTHKSRA	FSETESLYLR	WLNOOTRWIK	SYFREWLYNA	394
XIIIAO						
CVHAS	FAAWKHGLSG	IWLAFECLYQ	ITYFFLVIYL	FSRLAVEADP	RAQTATVIVS	411
seHAS	KKTMNNPFVÄ	LWTILEVSMF	MMLVYSVVDF	FVGNVREFDW	LRVLAFLVII	361
spHAS	KKTLSNPTVA	LWTIFEVVMF	MMLIVAIGNL	LFNQAIQLDL	IKLFAFLSII	360
huHAS	MWFHKHH	LWMTYEAIIT	GFFPFFLIAT	VIQLFYRGKI	WNILLFLLTV	413
xlHAS	OMMHKHH	IWMTYESVVS	FIFPFFITAT	VIRLIYAGTI	WNVVWLLLCI	441
CVHAS	TTVA T IKCGY	FSFRAKDIRA	FYFV-LXTFV	YFFCMIRARI	TAMMTLWDIG	460
seHAS	FIVASCRNIH	YMLKHPLS	FLLSPFXGVL	HLFVLOPLKL	YSLFTIRNAD	409
spHAS	FIVATCRNVH	YMVKHPAS	FLLSPLXGIL	HLFVLOPLKL	YSLCTIKNTE	408
huHAS	QLVG <mark>D</mark> IKSS-	FASCLRGNIV	MVFMSLYSVL	YMSSLLPAKM	FAIATINKAG	462
xlHAS	QIMS T FKSI-	YACWLRGNFI	MLLMSLASML	MTGLLESKY	FALL LINKTG	490
			WOUT TRUME	BRIDICACIIVO	TUUNGMEDUN	510
CVHAS	WDTRGGNEKP	SVGTRVALWA	VÕI PI VANAMA	AAVVGAGVYS	IVHNWMFDWN	417
seHAS	WGTRKK	L			TEV*	419
spHAS	WGTRKK	V	TDUCTES	TILICOURT	TINEGRODEG	505
huHAS	WGTSGRKT	IVVNFIGL	IB16483	TIPPGGATLI	IYKESKRPFS IYMDCQNDWS	533
xlHAS	WGTSGRKK	TAGNAWAT	PLP21M4	AVECGGVGIS	TIMPONIO	درد
		DATUCTO CY	TURTUTUI	/ የተቀረጽተ ማጥ (A)	FTKLQKELIE	554
CVHAS	SLSYR	FALVGIC-SI	TAETATATIA	YVVITNE	CGRRKKGQQY	546
huHAS	ES-KQTVLIV	GTLLIAC***	TIGORANAMA	. TA -ATTIVE	CCR-KRSQTV	577
xlhas	TPEKQKEMY-	-HPP1GCAG1	ALLI MATLIWAL	· THAMAVL	CON MINORIA	٠,,
	DDUI VD2 mm2*	*17204				568
CVHAS	DRVLYDATTN DMVLDV					552
huHAS	TLVHDI					588
xlhas	ITAUDI					

FIG. 2

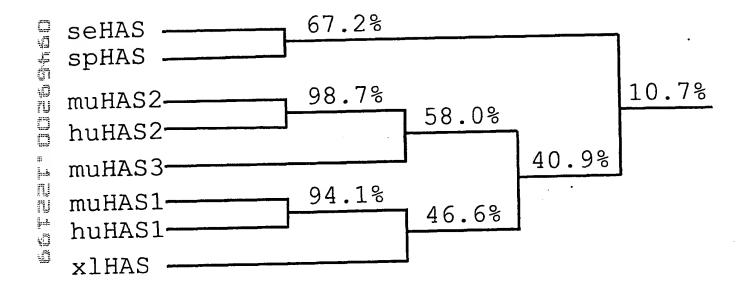


FIG. 3

SIZE DISTRIBUTION OF HYALURONAN PRODUCED BY DIFFERENT ENGINEERED STREPTOCOCCAL HAS ENZYMES

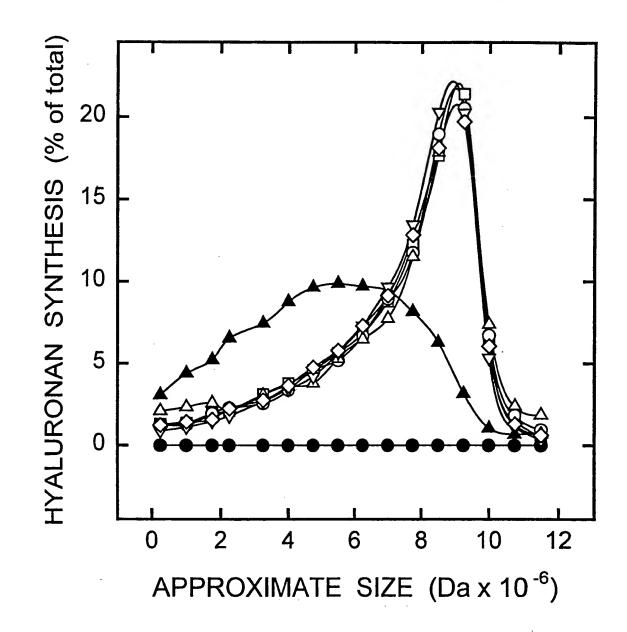


FIG. 4

CAPVE

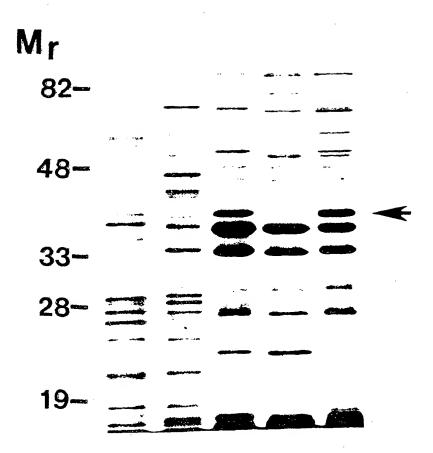


FIG. 5

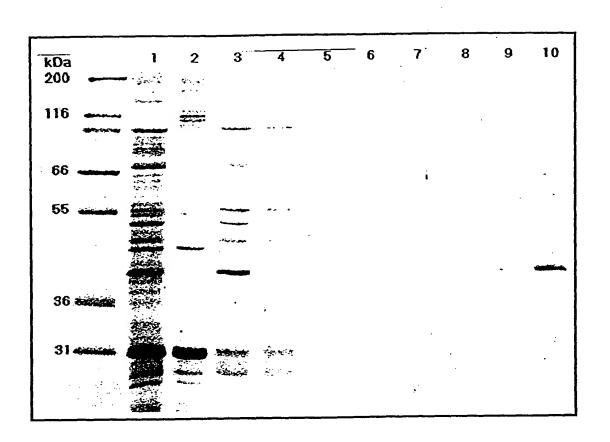


FIG. 6

FIG. 7

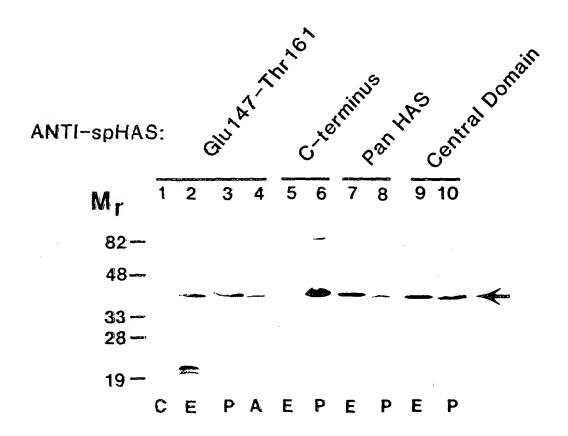


FIG. 8

FIG. 9

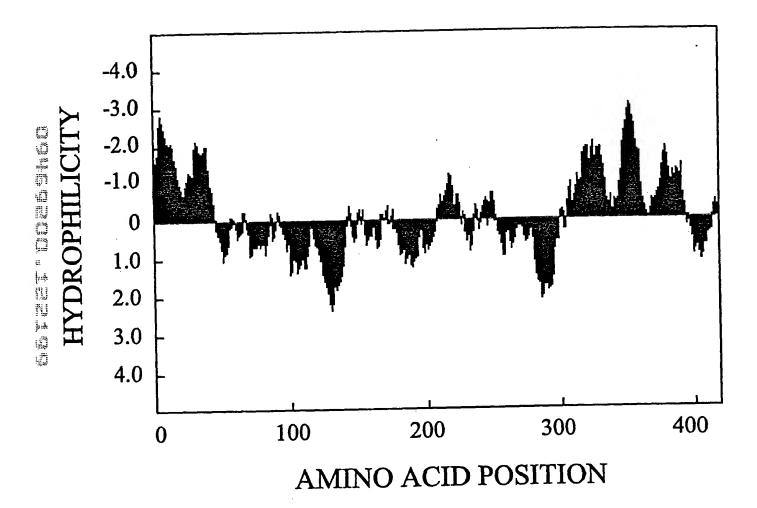


FIG. 10

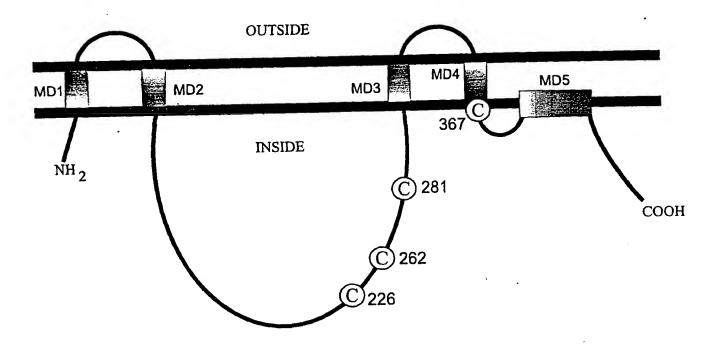


FIG. 11

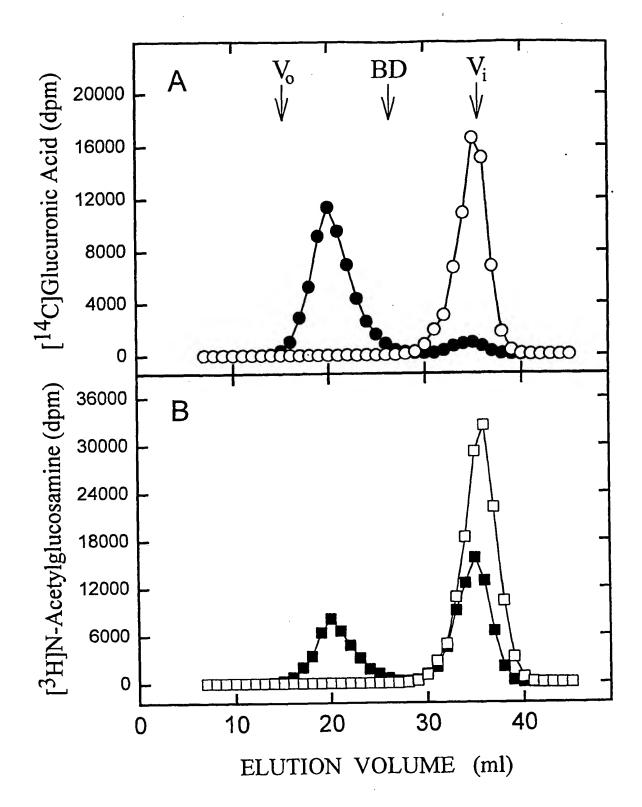


FIG. 12

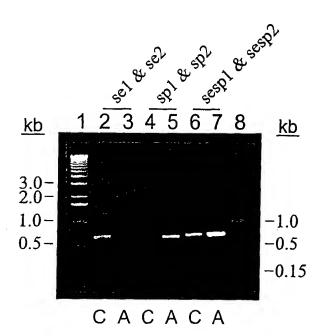


FIG. 13